What is claimed is:

 A laser beam receiver for receiving a scanning laser beam, comprising a filter device, and a photodetecting means provided with a plurality of photodetectors;

wherein the filter device has a lenticular part capable of expanding a scanning laser beam in a scanning direction in which the laser beam moves for scanning, and a diffusing part capable of diffusing the laser beam transmitted by the lenticular part.

- 2. The laser beam receiver according to claim 1, wherein the photodetecting means includes two photodetectors arranged on a line perpendicular to the scanning direction, and the two photodetectors are divided into sections.
- 3. The laser beam receiver according to claim 1 (or 2), wherein the filter device is formed of a material containing a fluorescent material instead of forming the diffusing part in the filter device.
- 4. The laser beam receiver for receiving a scanning laser, comprising an optical member, and a photodetecting means including a plurality of photodetectors;

wherein the photodetectors are arranged on a line substantially perpendicular to a scanning direction in

which the laser beam moves for scanning, the optical member is disposed in front of the photodetectors, expands the laser beam in a direction crossing the photodetectors and is capable of diffusing the expanded laser beam such that the shape of the expanded laser beam is maintained.

5. A light position determining device comprising the laser beam receiver according to any one of claims 1 to 4.